



HATCHER INCORPORATED

RECEIVED

JUN - 4 1986

June 2, 1986

PERMITS BRANCH
DIVISION OF WATER

Mr. Mike Gevedon
Division of Water
18 Rielly Road
Frankfort, KY 40601

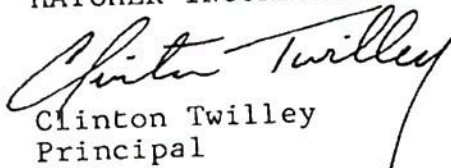
RE: Brown's Plating Service, Inc.

Dear Mr. Gevedon:

As we discussed, the phenol values in our original KPDES Permit Application were detected at 0.164 ppm. Shortly before these analyses were taken the company stopped using a phenol based stripper in the metal preparation process. As indicated by the enclosed analyses taken on May 16, 1986, phenol concentrations have significantly decreased in the effluent to 0.002 ppm. Since the company will not use phenolic strippers in the future, we expect the phenol values to continue to decrease.

If you have any questions or need additional information, please advise. Thank you for your assistance.

Sincerely,
HATCHER INCORPORATED


Clinton Twilley
Principal

CT/kdj

Enclosure

cc: Mr. Don Brown

ANALYTICAL LABORATORIES
LOUISVILLE TESTING LABORATORY, INC.
1401 WEST CHESTNUT STREET
LOUISVILLE, KY. 40203

NOV 21 1984

Certificate of analysis No. 1416 Date received 11/9/84

Marks Water Sample

From Brown Plating Service

Cyanide	- None Detected
Hardness	- 12 ppm
pH	- 5.8
Iron	- less than .01 ppm
Chrome	- less than .01 ppm
Copper	- less than .01 ppm
Calcium	- 1.30 ppm
Fecal Coliforms	- NEGATIVE
Total Bacteria	- 140/ml

This sample PASSES the Kentucky Board of Health standards for potability.

Reported 11/14/84

LOUISVILLE TESTING LABORATORY, INC.

By *K. Smith, Jr.*

ANALYTICAL LABORATORIES
LOUISVILLE TESTING LABORATORY, INC.

1401 WEST CHESTNUT STREET

LOUISVILLE, KY. 40203

AUG 9 1984

Certificate of analysis No. 0430

Date received 7/31/84

Marks Sludge Sample

From Brown's Plating Service

pH	7.7
Phenols	None Detected
Cyanide	less than .1 ppm

TOXIC METALS ON LEACHATE

Arsenic	<.01 ppm
Cadmium	<.01 ppm
Chromium	<.01 ppm
Lead	<.01 ppm
Mercury	<.001 ppm
Selenium	<.01 ppm
Silver	<.01 ppm
Barium	<.01 ppm

HSK
for
Copper & Nickel Report

Reported 8/8/84

LOUISVILLE TESTING LABORATORY, INC.

By Kenneth Smith, Jr.

E



CHARLOTTE E. BALDWIN
SECRETARY



MARTHA LAYNE COLLINS
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FORT BOONE PLAZA
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

RECEIVED
DIVISION OF
WASTE MANAGEMENT
FEB 3 8 43 AM '86

January 28, 1986

TO: Division of Waste Management
#18 Reilly Road, Fort Boone Plaza
Frankfort, Kentucky 40601

Re: Brown's Plating Service
Paducah, Kentucky

ATTN: Carl Schroeder

FROM: William E. Davis, Director *WED*
Division of Environmental Services

Sample Collector: Rose Burton Date: 11/15/85 Time: 1350

Sample Identification: Wastewater Discharge to Lagoon

REPORT OF ANALYSIS

Report No: B02-1509

SA No: 85-3371

Received: 11/19/85 Finished: 01/28/86 Approved: 01/28/86

Results:

<u>PARAMETER</u>	<u>CONCENTRATION (mg/l)</u>
Cyanide	0.080
Arsenic	< 0.001
Barium	0.020
Cadmium	0.003
Chromium	2.34
Lead	0.001
Mercury	0.0006
Nickel	8.80
Selenium	0.002
Silver	< 0.001

CHARLOTTE E. BALDWIN
SECRETARY



MARTHA LAYNE COLLINS
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FORT BOONE PLAZA
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

January 28, 1986

TO: Division of Waste Management
#18 Reilly Road, Fort Boone Plaza
Frankfort, Kentucky 40601

Re: Brown's Plating Service
Paducah, Kentucky

ATTN: Carl Schroeder

FROM: William E. Davis, Director *for W&E*
Division of Environmental Services

Sample Collector: Rose Barter Date: 11/15/85 Time: 1345

Sample Identification: Wastewater Treatment Sludge off Filter Press

REPORT OF ANALYSIS

Report No: B02-1508

SA No: 85-3370

Received: 11/19/85 Finished: 01/28/86 Approved: 01/28/86

Results:

<u>PARAMETER</u>	<u>CONCENTRATION (mg/kg)</u>
Cyanide	13.6
Arsenic	0.009
Barium	49.6
Cadmium	123
Chromium	40900
Lead	1310
Mercury	0.110
Nickel	142000
Selenium	0.147
Silver	< 0.870

Results: EP Leachate
PARAMETER

<u>PARAMETER</u>	<u>CONCENTRATION (mg/l)</u>
Arsenic	0.004
Barium	0.360
Cadmium	1.65
Chromium	18.6
Lead	1.18
Mercury	0.0005
Selenium	< 0.001
Silver	< 0.010

RECEIVED
DIVISION OF
WASTE MANAGEMENT

JAN 28 1 34 PM '86

ENDANGERED, THREATENED, AND RARE PLANTS AND ANIMALS
WITHIN A 4-MILE RADIUS OF

BROWN'S PLATING SERVICE
PADUCAH, KENTUCKY

MAP #	Endangered(E), Threatened(T) Special Concern(S) or proposed(C2)	KNPC, Federal Status
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THREE TO FOUR MILE RADIUS

- | | |
|--|---|
| 1. <u>Hybognathus havi</u> (Cypress Minnow) | T |
| 2. <u>Cambarellus puer</u> (Crayfish) | E |
| 3. <u>Hybognathus havi</u> (Cypress Minnow) | T |
| 4. <u>Erimyzon sucetta</u> (Lake Chubsucker) | T |
| 5. <u>Heterotheca latifolia</u> (Golden Aster) | S |
| 6. <u>Carex triangularis</u> (Sedge) | S |